## REMARKS

Docket No.: HOK-0440

This is a full and timely response to the Office Action mailed December 31, 2008, submitted concurrently with a one month extension of time to extend the due date for response to April 30, 2009.

By this Amendment, claim 1 has been amended to effect a correction in the claim. Thus, claims 1-5 and 7-9 are currently pending in this application. Support for the claim amendments can be readily found variously throughout the specification and the original claims, see, in particular, Figures 6-9 of the present drawings and the corresponding description in the specification.

In view of these amendments, Applicant believes that all pending claims are in condition for allowance. Reexamination and reconsideration in light of the above amendments and the following remarks is respectfully requested.

## Obviousness-Type Double Patenting Rejection

Claims 1-5 and 7-9 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as allegedly being unpatentable over the claims of copending U.S. Patent Application Nos. 10/588,437, 10/588,758, and 10/588,729. Applicant has submitted herewith the Power of Attorneys executed by the individual assignees, namely Panasonic Electric Works, Ltd. and the Proctor & Gamble Company, to validate the terminal disclaimers previously filed on October 24, 2008 for U.S. Patent Application Nos. 10/588,437, 10/588,758, and 10/588,729. Thus, withdrawal of these rejections is respectfully requested.

## Rejections under 35 U.S.C. §103

Claims 1, 2, 5, and 9 are rejected under 35 U.S.C. §103(a) as allegedly being unpatentable over Jeffries et al. (U.S. Patent No. 5,221,050) in view of Gaw et al. (U.S. Patent No. 6,318,647 B1) in further view of Valaskovic et al. (U.S. Patent No. 6,744,046 B2). Further, claims 3-4 are rejected under 35 U.S.C. §103(a) as allegedly being unpatentable over Jeffries et al. (U.S. Patent No. 5,221,050) in view of Gaw et al. (U.S. Patent No. 6,318,647 B1) and Valaskovic et al. (U.S. Patent No. 6,744,046 B2), and further in view of Westerweck et al. (U.S. Patent Application Publication No. 2004/0057720). Still further, claim 7 is rejected under 35 U.S.C. §103(a) as

allegedly being unpatentable over Jeffries et al. (U.S. Patent No. 5,221,050) in view of Gaw et al. (U.S. Patent No. 6,318,647 B1) and Valaskovic et al. (U.S. Patent No. 6,744,046 B2), and further in view of Coffee et al. (U.S. Patent No. 6,595,208 B1). Lastly, claim 8 is rejected under 35 U.S.C. §103(a) as allegedly being unpatentable over Jeffries et al. (U.S. Patent No. 5,221,050) in view of Gaw et al. (U.S. Patent No. 6,318,647 B1) and Valaskovic et al. (U.S. Patent No. 6,744,046 B2), and further in view of Doebler et al. (U.S. Patent Application Publication No. 2002/0100815).

Docket No.: HOK-0440

To establish an obviousness rejection under 35 U.S.C. §103(a), four factual inquiries must be examined. The four factual inquiries include (a) determining the scope and contents of the prior art; (b) ascertaining the differences between the prior art and the claims in issue; (c) resolving the level of ordinary skill in the pertinent art; and (d) evaluating evidence of secondary consideration. *Graham v. John Deere*, 383 U.S. I, 17-18 (1966). In view of these four factors, the analysis supporting a rejection under 35 U.S.C. 103(a) should be made explicit, and should "identify a reason that would have prompted a person of ordinary skill in the relevant field to combine the [prior art] elements" in the manner claimed. *KSR Int'l. Co. v. Telefex, Inc.*, 127 S. Ct. 1727, 82 USPQ2d 1385, 1396 (2007). Further, the Federal Circuit has stated that "rejections on obviousness cannot be sustained with mere conclusory statements; instead, there must be some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness." *In re Kahn*, 441 F.3d 977, 988, 78 USPQ2d 1329, 1336 (Fed. Cir. 2006). Finally, even if the prior art may be combined, there must be a reasonable expectation of success, and the reference or references, when combined, must disclose or suggest all of the claim limitations. *See in re Vaeck*, 947 F.2d 488, 20 USPQ2d 1438 (Fed. Cir. 1991).

Claim 1 recites, inter alia:

Applicant respectfully traverses these rejections.

a dispensing unit comprising

a pump in immediate downstream relation with the reservoir for supplying the liquid composition from the reservoir, the pump being mechanically connected to said actuator to be driven thereby.

an emitter electrode to electrostatically charge the liquid composition, the emitter electrode being electrically connected to said high voltage generator, and

a nozzle to dispense the liquid composition, the nozzle being disposed at the point of dispense...

a selector for providing a spraying mode and a dripping mode selectively in response to the switch being manipulated; wherein the dripping mode is such that said pump is alone actuated to dispense the liquid composition out through the nozzle absent electrical charge (emphasis added)

Docket No.: HOK-0440

The prior art of record fails to teach or suggest at least these features of claim 1. The Examiner concedes that Jeffries et al. fails to teach these features (see pages 5-6 of the Office Action), and cites Valaskovic et al. to cure these deficiencies in Jeffries et al. However, Valaskovic et al. also fails to teach these features.

Valaskovic et al. discloses, "The most commonly encountered modes are shown in FIGS. 3 through 8 and are referred to as: dripping mode, spindle mode, pulsed cone-jet mode, cone-jet mode, and multi-jet mode. *Each mode* will generate a given distribution of droplet sizes, with *each droplet carrying a distribution of electrical charge*" (emphasis added) (see column 2, lines 60-65 of Valaskovic et al.). Valaskovic et al. further discloses, "Increasing the flow rate to 2 µL/min resulted in an increase in the operating voltage. As the flow rate increased the droplets emitting from the tip became larger, creating a stream of droplets known as the "dripping or spindle mode" (see column 15, lines 40-44 of Valaskovic et al.). As such, Valaskovic et al. teaches that an electrical charge is constantly applied to the nozzle or the emitter electrode in the drip mode, as in the other modes. Therefore, the drip mode of Valaskovic et al. is completely different from the claimed dripping mode, which is absent electrical charge (i.e. "wherein the dripping mode is such that said pump is alone actuated to dispense the liquid composition out through the nozzle absent electrical charge".

Further, while Valaskovic et al. teaches the basic concept of feedback controlled electrospray, Valaskovic et al. fails to teach any actual components for realizing this concept. For example, Valaskovic et al. is silent as to how the pump is mechanically connected to the actuator to be driven thereby, and how the selector is configured for selection between the spraying mode and the dripping mode. Thus, because of the limited teachings of Valaskovic et al., it is unclear how Jeffries et al. could be modified in view of Valaskovic et al. to arrive at the claimed invention.

In addition, the purpose of the claimed dripping mode is to confirm the supply of liquid from the reservoir to the nozzle when the dispensing unit includes all of the claimed pump, emitter electrode, and nozzle. In contrast, neither Jeffries et al. nor Valaskovic et al. teaches a dispensing unit composed of all of the claimed pump, emitter electrode, and nozzle. As such, one of ordinary skill in the art would not have been motivated to modify the prior art to have the claimed dripping mode because the problem sought to be solved by the claimed dripping mode is not present in the dispensing units of the prior art.

Docket No.: HOK-0440

None of Gaw et al., Coffee et al., and Doebler et al. cures the deficiencies of Jeffries et al. and Valaskovic et al. noted above.

Accordingly, Applicant respectfully requests withdrawal of the 35 U.S.C. §103(a) rejection of claim 1. Claims 2-5 and 7-9 depend directly or indirectly from claim 1 and are allowable at least for this reason. Since none of the other prior art of record, whether taken alone or in any combination, discloses or suggests all the features of the claimed invention, Applicant respectfully submits that independent claim 1, and all the claims that depend therefrom, are allowable.

## **CONCLUSION**

For the foregoing reasons, all the claims now pending in the present application are believed to be clearly patentable over the outstanding rejections. Accordingly, favorable reconsideration of the claims in light of the above remarks is courteously solicited. If the Examiner has any comments or suggestions that could place this application in even better form, the Examiner is requested to telephone the undersigned attorney at the below-listed number.

Dated: April 30, 2009

Respectfully submitted,

Docket No.: HOK-0440

Lee Cheng Registration No.: 40,949 CHENG LAW GROUP PLLC 1100 17th Street, N.W. Suite 503 Washington, DC 20036 (202) 530-1280 Attorney for Applicant

Should additional fees be necessary in connection with the filing of this paper, or if a petition for extension of time is required for timely acceptance of same, the Commissioner is hereby authorized to charge Deposit Account No. 50-4422 for any such fees; and applicant(s) hereby petition for any needed extension of time.